**Vyacheslav Perepelytsya**

**Progress Report**

Financial status: I have paid for all my parts needed, I have an extra sound sensor just in case, my last purchases were a cheap USB keyboard and USB mouse, which adds 10 dollars to my expenses, I needed these purchases to control the raspberry PI.

Blog/Documentation: My blog is up to date, I documented all my activities there.

This is the link to my blog: https://github.com/SlavaPere/SensorEffector/blob/master/index.md

Milestone: I’m ready to demonstrate the basic capabilities of my sound sensor, I can graphically display different levels of sound captured on the screen. I have met prior milestones.

Activities: I’m starting work on Fritzing; I’m planning to add a statement in the code that can detect a persistent noise level (sound over a threshold level over a period of time). I’m getting ready to add a second sound sensor as well that will detect a different pattern, I also am aware that I have to write the build instructions soon.

Problems: As of 12/21/2017 the most pressing problem I have is that my sound sensor doesn’t seem to work with an integrated PCB, although the sound sensor and PCF get powered the sound level from my program is constantly displaying “-1” which doesn’t make sense (It means the mike is reading too high levels, as the lower the number - the higher the decibel level it implies. I first plan to check if my PCB lost some connectivity, if it didn’t, I will have to look into a calibration, wiring or coding/support issue.